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Av 1638 Fox

(Item from file: 351)

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(New *embryo*-genic* *callus* and cell suspensions of corn in-bred B73 useful for regeneration of whole plants for in vitro selection of plants with desirable trait(s))

Index Terms: NEW CALLUS CELL SUSPENSION CORN BRED ; USEFUL REGENERATE WHOLE PLANT VITRO SELECT PLANT TRAIT

Patent Assignee: (STAU) STAUFFER CHEMICAL CO

Author (Inventor): LOWER K S

Number of Patents: 009

Patent Family:

| CC Number | Kind | Date | Week | |
|------------|------|--------|------|---------|
| EP 160390 | A | 851106 | 8545 | (Basic) |
| AU 8541231 | A | 851024 | 8549 | |
| BR 8501779 | A | 851210 | 8605 | |
| PT 80287 | A | 860120 | 8608 | |
| ZA 8502787 | A | 860530 | 8635 | |
| HU T41439 | A | 870428 | 8721 | |
| ES 8703239 | A | 870501 | 8724 | |
| DD 246315 | A | 870603 | 8742 | |
| RO 93373 | A | 880330 | 8832 | |

Priority Data (CC No Date): US 600855 (840416)

Applications (CC, No, Date): EP 85302096 (850326); ZA 852787 (850415); ES 542304 (850416)

Language: English

and/or WO Cited Patents: A3...8714; WO 8301176; 6.Jnl.REF

Designated States

(Regional): AT; DE; FR; IT

Abstract (Basic): EP 160390

Embryogenic callus and embryogenic cell suspns. of corn inbred B73 and their clones are new.

Corn plants and their seed regenerated from embryogenic callus and embryogenic cell suspn. of corn inbred B73 and their clones are new.

The corresp. mutagenised callus and cells suspns., and plants and seeds are new.

Progeny of corn plants regenerated from embryogenic callus and embryogenic cells suspns. of corn inbred B73 and their clones. the progeny including mutants and variant progeny, are new.

USE/ADVANTAGE - Whole plants can be regenerated from the embryogenic tissue and cell suspn. cultures of corn inbred B73 so that in vitro selections for desirable traits or against undesirable traits can be made. The cultures may be exposed to herbicides or pathotoxins for selection of resistant tissues and cells, and for regeneration of resistant plants. In this way improved corn crops can be obtd. @ (26pp Dwg.No.0/4)@

File Segment: CPI

Derwent Class: C03; D16; P13;

Int Pat Class: A01G-007/00; A01H-005/10; A01H-001/06; C12N-005/00;

A01H-000/00

Manual Codes (CPI/A-N): C04-A07D; C04-B04A; D05-A04; D05-H

Chemical Fragment Codes (M1):

01 M423 M710 M903 N135 N136 Q233 V400 V404 V754